

Background

### The problem of Mechanical Keyboard

Various switch

- red shaft
- blue shaft
- brown shaft

Variety purpose

- Hold down
- Continuous hit

problem

- Choice of the suitable switch
- Impression of the complicated operation

Operation feeling in considerat of taste is unclear

### Purpose of Research

Focus on sound and feel

- Give a Operation feeling in consideration of taste
  - Taste degree evaluation of the subject
  - Comfortable sound
  - Comfortable feel

Give a comfortable operation feeling

Content

### Characteristic grasp

Grasp of switch character by subjective evaluation

Characteristic:

- ✓ Clicky
- ✓ Operating
- ✓ Pressing
- ✓ Frequency

### Construction of the Feeling

Evaluate an operation sense depending on an operator

Construction of cluster

Classification

A

B

Single stimulation  
Complex stimulation  
Preference of the operator

### Examination of the effectiveness

Evaluation of the operation feeling by the simulation software

Evaluation in the true environment using the **game task**

Sound + Feel

Sound + Feel + Image